

Anti-Influenza A Virus M2 Protein antibody [14C2] ab5416

★★★★★ [2 Abreviews](#) [68 References](#) [1 图像](#)

概述

产品名称	抗甲型流感Virus M2蛋白抗体[14C2]
描述	小鼠单克隆抗体[14C2] to 甲型流感Virus M2蛋白
宿主	Mouse
经测试应用	适用于: ICC
种属反应性	与反应: Influenza A
免疫原	Full length protein corresponding to Influenza A Virus M2 Protein. Full length M2 protein from A/WSN/33-infected CV1 cell lysate.
表位	Detects the N-terminal of the Influenza A Virus M2 Protein.
阳性对照	ICC/IF: Infected MDCK cells with Influenza A.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
纯度	Protein G purified
Primary antibody说明	Influenza A virus is an enveloped virus encoding 10 polypeptides. RNA segment 7 encodes for two proteins: M1 (matrix 1) and M2 (matrix 2). M1 protein is encoded by an mRNA that is colinear, while M2 protein is synthesized from spliced mRNA. M2 protein is a transmembrane protein composed of three Domains: 1) 24 residues representing the N-terminal region, 2) 19 hydrophobic residues that serve as a membrane anchor, and 3) 54 residues near the C-terminal in the cytoplasmic domain. The M2 protein has been found to play a role in Influenza replication and

assembly of virion particles. Further experimentation has demonstrated that this protein is an acid-activated ion channel for virus replication.

克隆	单克隆
克隆编号	14C2
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee Abpromise™ 承诺保证使用 ab5416 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度; 实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
ICC	★★★★★ (1)	Use a concentration of 1 µg/ml.

靶标

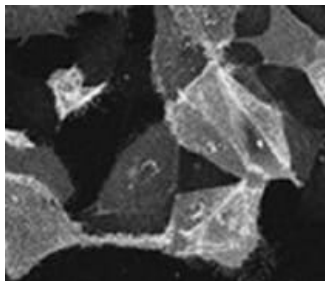
相关性

The Matrix protein M2 forms a protons channel. When the environmental pH is lower than a threshold, the M2 channel is activated and selectively transports protons accross the membrane from the extracellular side to the cytoplasmic side. It is crucial for the uncoating process. When the virion is internalized into the endosome the channel can acidify the virion interior, promoting the dissociation of the viral matrix protein (M1) from the ribonucleoprotein (RNP) thus allowing the transport of the RNP from the virion into the cell's nucleus. For some influenza virus subtypes, the M2 channel can elevate the intravesicular pH of the trans Golgi network, preventing the viral protein haemagglutinin, which is transported to the cell surface through the trans Golgi network, from incorrect maturation in an otherwise low pH environment.

细胞定位

Virion membrane. Apical cell membrane; Single-pass type III membrane protein.

图片



Immunofluorescence staining of infected dog MDCK cells using ab5416.

Immunocytochemistry - Anti-Influenza A Virus M2
Protein antibody [14C2] (ab5416)

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